

What Is Claimed Is:

1. An environmental performance improvement support system, comprising:
 - a material composition database that organizes composition information of materials as a database;
 - a controlled substance database that organizes control information related to chemical substances as a control target, as a database; and
 - a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,wherein:
 - based on the types and input amounts of the materials that are input in a certain process, the release amounts to each release-transfer destination of chemical substances that compose said materials are set;
 - information for improving the environmental performance, according to information on these chemical substances that are released is set;
 - the information related to said release rates is set based on the release information that prescribes the relationship of the release amounts to each release-transfer destination of the chemical substances with respect to the input amounts of the materials that are input into equipments that are used in said certain process; and
 - environmental performance information that evaluates environmental effects due to discharging chemical substances in the release amounts that correspond to the input amounts of said materials that are input, and/or investment effectiveness information related to the costs for reducing said chemical substances that are released are set.
2. The environmental performance improvement support system recited in claim 1, wherein:

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said environmental performance information is information that evaluates environmental effects based on at least one impact factor from among impact factors on human health, impact factors on amenities, impact factors on ground subsidence, impact factors on ground water pollution and soil pollution, impact factors on air pollution, impact factors on water quality pollution, impact factors on stress on waste treatment capacity, impact factors on acid precipitation, impact factors on global warming, impact factors on ozone layer destruction, and impact factors on resource depletion.

3. The environmental performance improvement support system recited in claim 1, wherein:

said investment effectiveness information is information that is set based on at least one item from among the processing performances, equipment costs, and operation costs of equipments that reduce said chemical substances that are released.

4. The environmental performance improvement support system recited in one of the claims from claim 1 to claim 3, wherein:

the equipments used in said certain process consists of a combination of a plurality of equipments; and

said environmental performance information and/or said investment effectiveness information are information that are set based on the combination of said plurality of equipments.

5. The environmental performance improvement support system recited in one of the claims from claim 1 to claim 3, wherein:

said release information is information that is represented in graph format, table format, or with functional equations, or is information that is represented by a combination of these formats for each equipment that is used in said certain process.

6. An environmental performance improvement support system, comprising:

a material composition database that organizes composition information of materials as a database;

a controlled substance database that organizes control information related to chemical substances as a control target, as a database; and

a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

wherein:

based on the types and input amounts of the materials that are input in a certain process, the release amounts to each release-transfer destination of chemical substances that compose said materials are set;

information related to an enterpriser that performs said certain process is output;

at least one information type from among the handled amount, release amount, release rate, and recycle rate of each chemical substance is available as information related to the release rates of another enterpriser in the same industry; and

information that compares information related to the release rates of said enterpriser and said other enterpriser in the same industry is output.

7. An environmental performance improvement support system, comprising:

a material composition database that organizes composition information of materials as a database;

a controlled substance database that organizes control information related to chemical substances as a control target, as a database; and

a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

wherein:

based on the types and input amounts of the materials that are input in a certain process, the release amounts to each release-transfer destination of chemical substances that compose said materials are set;

information related to an enterpriser that performs said certain process is output; and time-lapse changes of at least one information type from among the handled amount, release amount, release rate, and recycle rate of each chemical substance are output as information related to the release rates of said enterpriser.

8. An environmental performance improvement support system, comprising:

a material composition database that organizes composition information of materials as a database;

a controlled substance database that organizes control information related to chemical substances as a control target, as a database; and

a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

wherein:

based on the types and input amounts of the materials that are input in a certain process, the release amounts to each release-transfer destination of chemical substances that compose said materials are set;

information related to an enterpriser that performs said certain process is output;

information of time-lapse changes of at least one from among the handled amount, release amount, release rate, and recycle rate of each chemical substance, of another enterpriser in the same industry is available; and

information that compares time-lapse changes of at least one from among the handled amount, release amount, release rate, and recycle rate of each chemical substance between said enterpriser and said other enterpriser in the same industry is output.

9. An environmental performance improvement support system, comprising:

a material composition database that organizes composition information of materials as a database;

a controlled substance database that organizes control information related to chemical substances as a control target, as a database; and

a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

wherein:

based on the types and input amounts of the materials that are input in a certain process, the release amounts to each release-transfer destination of chemical substances that compose said materials are set;

information for improving the environmental performance, according to information on these chemical substances that are released, is set;

information related to said release rates is set based on the equipment-specific release rate information that is provided by the enterprisers that manufacture equipments which are used in said certain process; and

environmental performance information that evaluates environmental effects due to discharging chemical substances in the release amounts that correspond to the input amounts of said materials that are input, and/or investment effectiveness information related to the costs for reducing said chemical substances that are released are set.

10. The environmental performance improvement support system recited in claim 9, wherein:

said investment effectiveness information is information that is set based on at least one item from among the processing performances, equipment costs, and operation costs of equipments that reduce chemical substances, which are provided by the enterprisers that manufacture the equipments which reduce the chemical substances.

11. The environmental performance improvement support system recited in claim 9 or claim 10, wherein:

the equipment-specific release rate information provided by said enterprisers is release information that prescribes the relationship of the release amounts to each release-transfer destination of chemical substances that correspond to the input amounts of the materials that are input into equipments.

12. An environmental performance improvement support method, wherein:

environmental performance improvement is supported based on a material composition database that organizes composition information of materials as a database, a controlled substance database that organizes control information related to chemical substances as a control target as a database, and a release rate database that organizes information related to the release rates at each release-transfer destination of chemical substances as a database,

comprising:

process 1, which, based on said material composition database, identifies the chemical substances that compose the materials to be input in a certain process;

process 2, which, based on said controlled substance database, identifies the chemical substances that must be managed from among the chemical substances identified in said process

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process 3, which, based on said release rate database, sets the release amounts to the release-transfer destinations of the chemical substances identified in said process 2; and

process 4, which evaluates environmental effects due to discharging the chemical substances in the release amounts set in said process 3.

13. The environmental performance improvement support method recited in claim 12, comprising:

process 5, which, based on the evaluation results of said process 4, evaluates the equipments that reduce said chemical substances which are released.

14. The environmental performance improvement support method recited in claim 13, comprising:

process 6, which, based on the evaluation results of said process 5, evaluates environmental effects in the case of equipments that reduce said chemical substances are installed.